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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

**NEWLY IDENTIFIED
MILITARY AND INDUSTRIAL INSTALLATIONS
IN ORENBURG, USSR**



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APRIL 1970

COPY NO. 113

5 PAGES

PIR-027/70

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INSTALLATION OR ACTIVITY NAME					COUNTRY	
Newly Identified Military and Industrial Installations in Orenburg					UR	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NUMBER	COMIREX NO.	NIETB NO.	
NA	See below	See below	None	None	See below	
MAP REFERENCE						
SAC Chart, Series 200, Sheet 0236-2, scale 1:200,000						
LATEST IMAGERY USED			NEGATION DATE (if required)			
See below			NA			
REQUIREMENT			NPIC PROJECT			
None			111108ND			

Installation

Orenburg Military Installation
 Orenburg Probable Air Force School
 Orenburg Microwave Facility
 Orenburg Artificial Silk Factory
 Orenburg Thermal Powerplant

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ABSTRACT

A review of current large-scale KEYHOLE photography has resulted in the identification of five new military and industrial installations in Orenburg, USSR.

This report contains a description of the five new installations, an annotated photograph of the city of Orenburg, and an inset photograph of Orenburg Military Installation.

INTRODUCTION

The city of Orenburg (formerly known as Chkalov) is an important military, industrial, and rail center on the north bank of the Ural River approximately 200 nautical miles southwest of Magnitogorsk, USSR. Situated at the junction of three single-track rail lines which connect to double-track lines leading to Kuybyshev, Chelyabinsk, and Tashkent, the city of Orenburg is the administrative, educational, and distribution center for the predominantly agricultural Chkalovskaya Oblast and is also an important Soviet Air Force training center.

Military and industrial installations previously identified in the city include Orenburg Military Barracks East Orenburg

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Guided Missile Plant 47 and Orenburg Railroad Locomotive Repair Plant Paravoz , which is regionally important as a producer of new locomotives and as a center for major repairs of locomotives, tenders, and freight cars (Figure 1). The city also contains a ferroconcrete plant and nationally important cutting tool, machine tool, and metal forming machinery plants.

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The industrial base of Orenburg is currently undergoing expansion. The major expansion is along the rail line in the northern sector of the city where numerous industrial facilities are under construction, two of which have been identified as an artificial silk plant and a thermal powerplant. A satellite city, which will house the workers of the new industries, is also being built in this area. Industrial expansion is also taking place along the rail line on the south side of the Ural River.

The newly identified facilities which are the subject of this report include a military installation, a probable air force school, a microwave facility, an artificial silk plant, and a thermal powerplant. All of these facilities are shown in Figure 1 and described below.

BASIC DESCRIPTION

Orenburg Military Installation

This installation in the southern part of Orenburg at 51-45-20N 055-06-10E consists of two contiguous, separately secured areas (Figure 1, inset). The eastern area contains three multistory institutional-type buildings, a vehicle storage shed, and three other buildings. The western area contains two multistory institutional-type buildings, two probable barracks, three vehicle storage and maintenance buildings, ten support buildings, an obstacle course, and a recreation court.

A review of photography of December 1966 revealed the presence of five GANEF (SA-4) resupply and transloading vehicles, as well as other military equipment, in the western secured area, making this the second military installation in Orenburg at which GANEF equipment has been seen. (GANEF transporter/launchers and resupply and transloading vehicles have been previously identified at Orenburg Military Barracks East.) GANEF equipment was last observed at this installation in May 1967 and since then only a few vehicles have been observed periodically in the western area where the GANEF had been. On photography of September 1969, the eastern area contained five trucks, nine van trucks, five electronics vans, one lowbed trailer, two trailers, three single-axle trailers, two UAZ-69 utility trucks, three vehicles, and four sedans. No equipment was observed in the western area.

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Orenburg Probable Air Force School

This secured installation in the southern part of Orenburg at 51-45-25N 055-07-10E contains four housing or administration buildings, nine other buildings, a parade ground, and an athletic field. On photography of September 1969 a static display of aircraft, consisting of one BEAGLE/MASCOT, one FAGOT/MIDGET, and one MAYA, was observed at this installation. This installation is probably associated with two training airfields in Orenburg (Orenburg Airfield Southwest, [] and Orenburg Airfield Northeast, [] both of which have MASCOT and MAYA trainer aircraft.

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This secured facility near the railroad passenger terminal in the central part of Orenburg at 51-46-35N 055-04-50E consists of two R60-120 microwave antennas mounted on a self-supporting lattice tower and one multistory control and administration building. The microwave antennas are oriented on a northwest-southeast axis, which indicates that this facility is a link in the Kuybyshev - Orsk communications relay line.

Orenburg Artificial Silk Factory¹

This factory is on the northern edge of Orenburg at 51-50-40N 055-07-05E and is in a midstage of construction. When complete, the secured plant will be housed under a single roof and will measure 557 by 314 meters (1,827 by 1,030 feet). The plant will have both rail and road service and will contain spinning, twisting, weaving, and finishing sections.² The first stage is scheduled to be in operation in 1972.³ An entire satellite city is being built to house the workers of this large silk combine.⁴ Evidence of the construction of the satellite city is apparent on photography of September 1969, which shows 21 multistory buildings to be complete and eight other multistory buildings to be under construction. Numerous single-family dwellings are also in the vicinity.

Orenburg Thermal Powerplant

This powerplant on the northern edge of Orenburg at 51-50-45N 055-06-40E is in a midstage of construction and will probably utilize fuel oil to fire the boilers when complete.

The proximity of the powerplant to the silk factory and the satellite city indicates that the powerplant is being built primarily to supply power to them and to other industries being built in the northern part of the city.

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REFERENCES

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MAPS OR CHARTS

SAC Chart, Series 200, Sheet 0236-2, scale 1:200,000
JIB. Orenburg (Chkalov) Town Plan, Mar 63 (SECRET)

DOCUMENTS

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2. CIA. FBIS 67 L0917, Abstract, 7 Feb 67 (OFFICIAL USE ONLY)
3. CIA. FBIS 68 L4009, Abstract, 26 Jul 68 (OFFICIAL USE ONLY)
4. Moscow, Selskaya Zhizn (Agricultural Life), 17 Jul 69, p. 1
(UNCLASSIFIED)

REQUIREMENT

NPIC Project No. 111108ND

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